

any communications technology, such as optical, infrared, acoustic, radio, microwave, or other transmission technologies. It is expected that such a computer program product may be distributed as a removable medium with accompanying printed or electronic documentation (e.g., shrink wrapped software), preloaded with a computer system (e.g., on system ROM, EPROM, EEPROM, or fixed disk), or distributed from a server or electronic bulletin board over the network (e.g., the Internet or World Wide Web). Of course, some embodiments of the invention may be implemented as a combination of both software (e.g., a computer program product) and hardware. Still other embodiments of the invention are implemented as entirely hardware, or substantially in software (e.g., a computer program product).

[0484] It should be noted that dimensions, sizes, and quantities listed herein are exemplary, and the present invention is in no way limited thereto. In an exemplary embodiment of the invention, a patch-sized fluid delivery device may be approximately 6.35 cm (~2.5 in) in length, approximately 3.8 cm (~1.5 in) in width, and approximately 1.9 cm (~0.75 in) in height, although, again, these dimensions are merely exemplary, and dimensions can vary widely for different embodiments.

[0485] While the principles of the invention have been described herein, it is to be understood by those skilled in the art that this description is made only by way of example and not as a limitation as to the scope of the invention. Other embodiments are contemplated within the scope of the present invention in addition to the exemplary embodiments shown and described herein. Modifications and substitutions by one of ordinary skill in the art are considered to be within the scope of the present invention.

What is claimed is:

1. A delivery device for delivery of infusion medium, the delivery device comprising:

- a reservoir for containing an infusion medium and having an outlet port;
- a fluid conduit connected in fluid flow communication with the outlet port of the reservoir; and
- a drive device operatively connectable to the reservoir, for selectively driving the infusion medium from the reservoir, the insertion system comprising:
 - a bridge comprising a cover for the infusion device and a cover for the sensor;
 - an infusion device introduction needle and a sensor introduction needle supported by the bridge for movement between a retracted position and an extended position;
 - an inserter housing for accommodating the bridge and for movement of the infusion device introduction needle and the sensor introduction needle between the retracted position and the extended position;
 - an infusion device about the infusion device introduction needle and moveable with the infusion device introduction needle between the retracted position and the extended position;
 - a sensor about the sensor introduction need and moveable with the sensor introduction needle between the retracted position and the extended position;
 - an infusion device release located on the bridge for releasing the infusion device in the extended position upon the infusion device introduction needle and infusion device being moved to the extended position; and

a sensor release located on the bridge for releasing the sensor in the extended position upon the sensor introduction needle and sensor being moved to the extended position

wherein the infusion device is connected in fluid flow communication with the fluid conduit when the infusion device introduction needle the infusion device are in the extended position.

2. The inserter system of claim 1, wherein the cover further comprising a needle passage through which the infusion device introduction needle and the sensor introduction needle extends when the infusion device introduction needle and the sensor introduction needle are in the retracted position and moving toward the extended position.

3. The delivery device of claim 1, wherein the infusion device further comprising a central passage through which the infusion device introduction needle extends when the infusion device introduction needle is in the retracted position and moving toward the extended position.

4. The delivery device of claim 1, wherein the sensor further comprising a central passage through which the sensor introduction needle extends when the sensor introduction needle is in the retracted position and moving toward the extended position.

5. The delivery device of claim 1, wherein the infusion device introduction needle and the sensor introduction needle remain attached to the bridge.

6. The delivery device of claim 1, wherein the infusion device is located in a position adapted to extend into a user when the infusion device introduction needle and infusion device are locked in the extended position.

7. The delivery device of claim 1, wherein the infusion device introduction needle is located in a position adapted to pierce a user's skin wherein the infusion device introduction needle is moved to the extended position, and wherein the infusion device introduction needle is located in a position external to the user's skin, when the infusion device introduction needle is in the retracted position.

8. The delivery device of claim 1, wherein the inserter housing has a spring.

9. The delivery device of claim 1, wherein the bridge is configured to be removably attached to the inserter housing.

10. The delivery device of claim 1, wherein the inserter housing comprising an actuation lever for releasing a spring to impart a force on the bridge and wherein the force moves the infusion device introduction needle and the sensor introduction needle in a direction for moving the infusion device introduction needle and the sensor introduction needle from the a retracted position to the extended position.

11. The inserter system of claim 1, wherein the inserter device is configured to actuate the infusion device release and the sensor release when the infusion device introduction needle and the sensor introduction needle are in the extended position.

12. The inserter system of claim 1, wherein the infusion device release and the sensor release are actuated through apertures and release the infusion device and the sensor device from the bridge when the infusion device introduction needle and the sensor introduction needle are moved to the extended position.

13. The delivery device of claim 1, wherein the bridge comprises:

- a body having two ends, an infusion device end and a sensor end, wherein the infusion device and the sensor